

Title (en)  
Stencil printing with no back contamination

Title (de)  
Siebdruck ohne Verschmutzung

Title (fr)  
Impression par stencil sans contamination

Publication  
**EP 0529215 B1 19961009 (EN)**

Application  
**EP 92109522 A 19920605**

Priority  
JP 16221891 A 19910606

Abstract (en)  
[origin: EP0529215A1] In a stencil printing including the steps of supplying ink in the form of a layer on one side of a perforated stencil sheet, contacting another side of stencil sheet to a surface for printing such as a surface of a print sheet, applying a pressure to the ink layer by a pressing means so as to transfer the ink of the ink layer through perforations of the stencil sheet from the one side to the other side of the stencil sheet and to attach the ink thus transferred onto the surface for printing, and detaching the surface for printing from the other side of the stencil sheet, the improvement is in that the surface for printing is detached from the other side of the stencil sheet at a portion thereof where a movement of the ink layer relative to the stencil sheet is substantially impeded by the pressing means so that a drawing out of the ink from the ink layer onto the surface for printing due to the adhesiveness and viscosity of the ink does not occur when the surface for printing is detached from the stencil sheet, thus also allowing that the extrusion of the ink through the stencil perforations is expedited before the stencil sheet tightly contacts the printing surface, so as to avoid blank shadows of fibers of the stencil sheet, with no problem of back contamination. <IMAGE>

IPC 1-7  
**B41M 1/12**; **B41F 15/08**; **B41F 15/20**; **B41F 15/22**; **B41L 13/06**

IPC 8 full level  
**B41F 1/12** (2006.01); **B41F 15/00** (2006.01); **B41F 15/08** (2006.01); **B41F 15/20** (2006.01); **B41F 15/22** (2006.01); **B41F 15/40** (2006.01); **B41L 13/04** (2006.01); **B41L 13/06** (2006.01); **B41L 13/18** (2006.01); **B41M 1/12** (2006.01)

CPC (source: EP US)  
**B41F 15/0809** (2013.01 - EP US); **B41F 15/20** (2013.01 - EP US); **B41F 15/22** (2013.01 - EP US); **B41L 13/06** (2013.01 - EP US); **B41M 1/12** (2013.01 - EP US)

Cited by  
EP0639466A1; EP1125733A1; EP0729847A1; US5722322A; EP0756939A1; US5690027A; EP0756940A1; US5669298A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0529215 A1 19930303**; **EP 0529215 B1 19961009**; DE 69214388 D1 19961114; DE 69214388 T2 19970227; JP 2547366 B2 19961023; JP H04361043 A 19921214; JP H05330224 A 19931214; US 5243904 A 19930914

DOCDB simple family (application)  
**EP 92109522 A 19920605**; DE 69214388 T 19920605; JP 16221891 A 19910606; JP 16359092 A 19920529; US 88784292 A 19920526